CLAIMS:

1. A composition for producing plane structures, wherein it contains at least one cationic starchy material and at least one sulfonated starchy material, the latter being preferably chosen from the group comprising sulfocarboxylated starches, sulfoalkoylated starches and sulfoalkenylated starches.
2. The composition as claimed in claim 1, wherein the starchy material is chosen from monosulfocarboxylated and disulfocarboxylated starches.
3. The composition as claimed in one of claims 1 or 2, wherein it has a weight ratio between the cationic starchy material(s) on the one hand and the sulfonated starchy material(s) on the other hand, of between 10/1 and 1/10, preferably between 10/1 and 1/5 and more preferably still between 5/1 and 1/4.
4. The composition as claimed in any one of claims 1 to 3, wherein it is in the form of a solid mixture, preferably a powdered material, or a suspension, preferably an aqueous suspension, containing at least one granular cationic starchy material and at least one granular sulfonated starchy material.
5. The composition as claimed in any one of claims 1 to 3, wherein it is in the form of a size, preferably an aqueous size.
6. The composition as claimed in claim 5, wherein it contains non-solubilized starchy structures, in particular granular structures, whether swollen or not, and/or complexes associating the cationic starchy material with the sulfonated starchy material.
7. The composition according to any one of claims 1 to 6, wherein at least one of the starchy materials consists of a cereal starch, in particular a corn starch.
8. A process for producing plane structures, in particular of paper, board or films, wherein a composition is employed as claimed in any one of claims 1 to 7.

9. A process for the internal treatment of plane structures, in particular paper, wherein within the mass constituting such a structure and during its formation, use is made in one or more steps of a composition as claimed in any one of claims 1 to 7, preferably in an amount of 2 to 12 %, expressed in total dry weight of cationic and sulfonated starchy materials based on the dry weight of the mass constituting the said structure.